



Form PTO-1449 (modified)		Atty. Docket No. TEXG:010US	Serial No. 10/531,744
Office of Patents and Publications for Applicant's		Applicant Brian J. Windsor <i>et al.</i>	
INFORMATION DISCLOSURE STATEMENT		Filing Date: April 18, 2005	Group: Unknown
(Use several sheets if necessary)			
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1</i>	

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	09/261,825		Windsor <i>et al.</i>			03/03/99
	A2	10/047,251		Windsor <i>et al.</i>			01/14/02
	A3	5,498,533	03/1996	Pooaiah <i>et al.</i>	435	468	07/30/93
	A4	6,180,604	01/30/01	Fraser <i>et al.</i>	514	12	08/20/97
	A5	6,448,472	09/2002	Thomas <i>et al.</i>	278	800	

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	DD 236944-A	06/1986	GERMANY			Abstract
	B2	WO 00/18886	4/06/00	WIPO			English
	B3	WO 00/46347	8/10/00	WIPO			English
	B4	WO 00/52144	9/08/00	WIPO			English
	B5	WO 97/30667	8/28/97	WIPO			
	B6	WO 98/21938	5/28/98	WIPO			English
	B7	WO 98/32427	7/30/98	WIPO			English
	B8	WO 99/10514	3/04/99	WIPO			English

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Abraham <i>et al.</i> , "Cystic fibrosis conductance regulator and adenosine triphosphate" <i>Science</i> , 275:1324-1326, 1997.

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	C2	Abraham <i>et al.</i> , "The multidrug resistance (mdr1) gene product functions as an ATP channel" <i>Proc. Natl. Acad. Sci.</i> , 90:312-316, 1993.
	C3	Abraham <i>et al.</i> , Proceedings of American Association of Cancer Research (abstract) #2575
	C4	Al-Awqati, "Regulation of ion channels by ABC transporters that secrete ATP" <i>Science</i> , 269:805-806, 1995.
	C5	Barros <i>et al.</i> , "Ectonucleotide diphosphohydrolase activities in entamoeba histolytica," <i>Arch. Biochem. Biophys.</i> , 375(2):304-314, 2000.
	C6	Bernatskaya <i>et al.</i> , "Effect of aluminum on respiration and activity of surface phosphatases of growing section of the pea root" <i>Fiziologiya i Biokhimiya Kul'turnykh Rastenii</i> , 1:25-29, 1976. In Russian with English abstract.
	C7	Boyum and Guidotti, "Effect of ATP binding cassette/multidrug resistance proteins on ATP efflux of <i>saccharomyces cerevisiae</i> " <i>Biochem. And Biophys. Res. Comm.</i> , 230:22-26, 1997.
	C8	CaPlus abstract AN:116522.
	C9	ChandraRajan <i>et al.</i> , "Determination of inorganic phosphorus in the presence of organic phosphorus and high concentrations of proteins," <i>Anal. Biochem.</i> , 72:407-412, 1976.
	C10	Chen <i>et al.</i> , "Inhibition of ecto-ATPase by PPADS, suramin and reactive blue in endothelial cells, C6 glioma cells and RAW 264.7 macrophages," <i>Br. J. Pharmacol.</i> , 119:1628-1634, 1996.
	C11	Crack <i>et al.</i> , "Pharmacological analysis of ecto-ATPase inhibition: evidence for combined enzyme inhibition and receptor antagonism in P2x-purinoreceptor ligands," <i>Br. J. Pharmacol.</i> , 113(4):1432-1438, 1994.
	C12	Crack <i>et al.</i> , "Pharmacological and biochemical analysis of FPL 67156, a novel, selective inhibitor of ecto-ATPase," <i>Br. J. Pharmacol.</i> , 114(2):475-481, 1995.
	C13	Decottignies <i>et al.</i> , "ATPase and multidrug transport activities of the overexpressed yeast ABC protein yor1p" <i>J. Biol. Chem.</i> , 273:12612-12622, 1998.
	C14	Dudler <i>et al.</i> , "Structure of an Mdr-like gene from <i>arabidopsis thaliana</i> : Evolutionary implications" <i>J. Biol. Chem.</i> , 267:5882-5888, 1992.
	C15	Gleeson <i>et al.</i> , "Ecto-ATPase/phosphatase activity in the olfactory sensilla of the spiny lobster, <i>Panulius argus</i> : Localization and characterization," <i>Cell Tiss. Res.</i> , 269:439-445, 1992.

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	C16	Grant <i>et al.</i> , "Overexposing of multidrug resistance-associated protein (MRP) increases resistance to natural product" <i>Drugs. Can Res.</i> 54:357-361, 1994.
	C17	Handa <i>et al.</i> , "Purification and cloning of a soluble ATP-diphosphohydrolase (Apyrase) from potato tubers (solanum tuberosum) <i>Biochem. Biophysic. Res. Comm.</i> , 218:916-923, 1996.
	C18	Hergenrother <i>et al.</i> , "Chromogenic assay for phospholipase D from Streptomyces chromofuscus: application to the evaluation of substrate analogs," <i>Lipids</i> , 32(7):783-788, 1997.
	C19	Hsieh <i>et al.</i> , "Light-modulated abundance of an mRNA encoding a calmodulin-regulated chromatin-associated NTPase in Pea" <i>Plant Mol. Biol.</i> , 30:135-147, 1996.
	C20	Huang <i>et al.</i> , "Extracellular ATP stimulates increases in Na ⁺ /K ⁺ pump activity, intracellular pH and uridine uptake in cultures of mammalian cells", <i>Biochem. Biophys. Res. Commun.</i> , 182:836-843, 1992.
	C21	Katzmann <i>et al.</i> , "Expression of an ATP-binding cassette transporter-encoding gene (YOR1) is required for oligomycin resistance," <i>Molecular and Cellular Biology</i> , 15(12):6875-6883, 1995.
	C22	Kearney <i>et al.</i> , "Solid-phase synthesis of 2-aminothiazoles" <i>Org. Chem.</i> , 63:196-200, 1998.
	C23	Kiba <i>et al.</i> , "Specific inhibition of cell wall-bound ATPases by fungal suppressor from <i>Mycosphaerella pinodes</i> ," <i>Plant Cell Physiol.</i> , 36(5):809-817, 1995.
	C24	Kolaczkowski <i>et al.</i> , "Anticancer drugs, ionophoric peptides, and steroids as substrates of the yeast multidrug transporter Pdr5p" <i>J. Biol. Chem.</i> , 271:31543-31588, 1996.
	C25	Komoszynski <i>et al.</i> , "Apyrases (ATP diphosphohydrolases, EC 3.6.1.5): function and relationship to ATPases" <i>Biochimica et Biophysica Acta</i> , 1310:233-241, 1996.
	C26	Kondejewski <i>et al.</i> , "Gramicidin S is active against both gram-positive and gram-negative bacteria," <i>Int J Peptide Protein Res.</i> , 47:460-466, 1996.
	C27	Ledoux <i>et al.</i> , "Overexpression of ecto-5'-nucleotidase promotes P-glycoprotein expression in renal epithelial cells," <i>Kidney International</i> , 52:953-961, 1997.
	C28	Lu <i>et al.</i> , "AtMRP2, an arabidopsis ATP binding cassette transporter able to transport glutathione S-conjugates and chlorophyll catabolites: functional comparisons with AtMRP1," <i>Plant Cell</i> , 10:267-282, 1998.
	C29	Manuel <i>et al.</i> , "Antimicrobial activity of chlorpromazine," <i>J Pharm Clin</i> , 14:289-292, 1995 (English summary).

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	C30	McCabe <i>et al.</i> , "Stable transformation of soybean (glycine max) by particle acceleration" <i>Biotechnol.</i> , 6:923-926
	C31	Medina <i>et al.</i> , <i>Biorg. Med. Chem. Lett.</i> , 8:2653-2656, 1998.
	C32	Meghji <i>et al.</i> , "Inhibition of extracellular ATP degradation in endothelial cells," <i>Life Sci.</i> , 57:763-771, 1995.
	C33	Meyers, "Transport Proteins" <i>Ency. Molec. Biol. Molec. Med.</i> , 6:125-133, 1997.
	C34	Munoz-Bellido <i>et al.</i> , "Antimicrobial activity of psychotropic drugs selective serotonin reuptake inhibitors," <i>International Journal of Antimicrobial Agents</i> , 14:177-180, 2000.
	C35	Okada <i>et al.</i> , "Diethyl pyrocarbonate is an inhibitor of cardiac, intestinal and renal ecto-ATPase," <i>Acta Histochem. Cytochem.</i> , 30(5&6): 637-642, 1997.
	C36	Pearson J. D., "Ectonucleotidases, measurement of activities and use of inhibitors," <i>Methods in Pharmacology</i> , Ed. David M. Paton, Plenum Press, Vol. 6, pp. 83-107, 1985.
	C37	Pietkiewicz <i>et al.</i> , "Increases in stably expressed ecto-5 nucleotidase precedes detection of Pgp in MDR variants of REH leukemia cells derived by selective pressure with incrementally increased concentrations of doxorubicin" <i>Proc. Amer. Assoc. Canc. Res.</i> , 39:1166.
	C38	Rengelshausen <i>et al.</i> , "Inhibition of porcine renal ecto-ATPase by Ca ²⁺ antagonists," <i>Eur. J. Physiol.</i> , 429(6), Suppl Abstract 177, 1995.
	C39	Sanchez-Fernandez <i>et al.</i> , "Cloning and expression analyses of AtMRP4, a novel MRP-like gene from arabidopsis thaliana" <i>Mol. Gen. Genet.</i> 258:655-662, 1998.
	C40	Schweibert, "CFTR regulates outwardly rectifying chloride channels through an autocrine mechanism involving ATP" <i>Cell</i> , 81:1063-1073, 1995.
	C41	Senior <i>et al.</i> , "The catalytic cycle of P-glycoprotein" <i>FEBS Letters</i> , 377:285-289, 1995.
	C42	Sidler <i>et al.</i> , "Involvement of an ABC transporter in a developmental pathway regulating hypocotyl cell elongation in the light," <i>Plant Cell</i> , 10:1623-1636, 1998.
	C43	Still <i>et al.</i> , "The inactivation by concanavalin A of the Ecto-ATPase and Ectoacetylcholinesterase of intact skeletal muscles," <i>Biochem. Cell Biol.</i> , 64:1272-80, 1986.
	C44	Thomas <i>et al.</i> , "A role for ectophosphatase in xenobiotic resistance", <i>The Plant Cell</i> , 12:519-533, 2000.

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	C45	Thomas <i>et al.</i> , "Apyrase functions in plant phosphate nutrition and mobilizes phosphate from extracellular ATP," <i>Plant Physiol.</i> , 119(2):543-551, 1999.
	C46	Thomas <i>et al.</i> , "Evaluating roles for apyrase in plant growth and development," <i>Annual Meetings of the American Society of Plant Physiologists and the Canad.</i> , Number 150, Session 25, Vancouver, British Columbia, Canada, August 2-6, 1997.
	C47	Thomas <i>et al.</i> , "Plant metabolism of extracellular ATP: mechanism and implications," <i>Annual Meeting of the American Society of Plant Physiologists combined with the 9th International Co.</i> , Madison, WI, Session No. 45 (abstract) #649, 1998.
	C48	Tikhaya <i>et al.</i> , "Ecto-ATPase (nucleotidase) in vitro activity in sterile isolated roots," <i>Fiziologiya Rastenii</i> , Moscow (in Russian), Vol. 42, pp. 821-827, 1995.
	C49	Tommasini <i>et al.</i> , "Differential expression of genes coding for ABC transporters after treatment of <i>Arabidopsis thaliana</i> with xenobiotics," <i>FEBS Letters</i> , 411:206-210, 1997.
	C50	Ujhazy <i>et al.</i> , "Evidence for the involvement of ecto-5 nucleotidase (CD73) in drug resistance", <i>Int. J. Cancer</i> , 68:493-500, 1996.
	C51	Ujhazy <i>et al.</i> , "Ecto-5 nucleotide (CD73) in multidrug-resistant cell lines generated by doxorubicin", <i>Int. Cancer</i> , 59:83-93, 1994.
	C52	Valenzuela <i>et al.</i> , "Comparative subcellular distribution of apyrase from animal and plant sources. Characterization of microsomal apyrase," <i>Comp. Biochem. Physiol., B:Comp. Biochem.</i> , 93B:911-919, Chem. Abstr., 111:210870, 1989.
	C53	van Veen <i>et al.</i> , "Multidrug resistance mediated by a bacterial homolog of the human multidrug transporter MDR1," <i>Proc. Natl. Acad. Sci., USA</i> , 93:10668-10672, 1996.
	C54	Van Veen <i>et al.</i> , "Multidrug resistance mediated by a bacterial homolog of the human multidrug transporter MDR1", 1998.
	C55	Viola <i>et al.</i> , "Identification of an enzyme in protein extracts of potato (<i>Solanum Tuberosum</i> L.) tubers which interferes with the assay of fructokinase and other enzymes requiring phosphorylated nucleosides," <i>Plant Sci.</i> , 132:127-137, 1998.
	C56	Wadkins and Roepe, "Biophysical aspects of P-glycoprotein mediated multidrug resistance" <i>International Review of Cytology</i> , 171:121-165, 1997.

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	C57	Wang and Guidotti, "CD39 is an ecto-(Ca ²⁺ , Mg ²⁺)-ATPase," <i>J. Biol. Chem.</i> , 271(17):9898-9901, 1996.
	C58	Wiener <i>et al.</i> , "Na ⁺ /H ⁺ Exchange in ehrlich ascites tumor cells," <i>J. Biol. Chem.</i> , 261:4529-4534, 1986.
	C59	Windsor <i>et al.</i> , "Multiherbicide tolerance conferred by AtPgp1 and ATPase overexpression in <i>Arabidopsis thaliana</i> ," <i>Nature Biotechnology</i> , 21:428-433, 2003.
	C60	Yegutkin <i>et al.</i> , "Steady-state binding of [3H]-ATP to rat liver plasma membranes and competition by various purinergic agonists and antagonists," <i>Biochim. Biophys. Acta</i> , 1373(1):227-236, 1998.
	C61	Zhang <i>et al.</i> , "Interactions of bacterial cationic peptide antibiotics with outer and cytoplasmic membranes of <i>Pseudomonas aeruginosa</i> ," <i>Antimicrobial Agents and Chemotherapy</i> , 44(12):3317-3321, 2000.
	C62	Zielinski <i>et al.</i> , "calmodulin and calmodulin-binding proteins in plants" <i>Plant Physiol. Plant Mol. Biol.</i> 49:697-725, 1998.

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